IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Pramod Joisha et al.   Examiner: Kang, Insun

Patent No.: 7,086,040   Group Art Unit: 2193

Issue Date: August 1, 2006   Docket No: 020-005

Title: Method for Array Shape Inference for a Class of Functions in MATLAB

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

We are transmitting herewith the attached:

X   Request for Certificate of Correction (1 pg.).
X   Certificate of Correction Form - PTO-1050 (3 pgs in duplicate)
X   A return postcard.

Certificate
MAR 0 9 2007
of Correction

Please charge any additional fees or credit overpayment to Deposit Account No. 50-2823

Customer Number: 37911

Date: February 8, 2007   Respectfully Submitted,

                                          Deepti Pab

                                          Deepti Panchawagh-Jain
                                          Attorney Reg. No. 43,846

OFFICE OF PUBLIC RECORDS
FINANCE SECTION
2007 FEB 13 AM 11: 21

CERTIFICATE UNDER 37 CFR § 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450, on this 8th day of February 2007

_____   _____
Christine Hartness   Signature

IN UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.:	7,086,040	Docket No: 020-005	
Issue Date:	August 1, 2006	Patentee:	Pramod Joisha et al.
Title	Method for Array Shape Inference for a Class of Functions in MATLAB		

REQUEST FOR CERTIFICATION OF CORRECTION

Attn: Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

It is requested that a Certificate of Correction be issued correcting printing errors appearing in the above-identified United States patent. Two copies of the text of the Certificate in the suggested form are enclosed.

Issuance of the Certificate of Correction would neither expand nor contract the scope of the claims as properly allowed, and re-examination is not required.
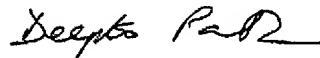
As the error is that of the Patent Office, it is believed that no fee is due.

The Examiner is authorized to charge any additional fees or credit overpayment to Deposit Account No. **50-2823**

Date: February 8, 2007

Respectfully Submitted,

Customer Number: 37911

Deepti Panchawagh-Jain
Attorney Reg. No. 43,846

FINANCE SECTION 2007 FEB 13 AM 11:21 OFFICE OF PUBLIC RECORDS

MAR - 9 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 7,086,040   Page 1 of (3)

DATED   : August 1, 2006

INVENTOR(S)   : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Sheet 1 of 5, in FIG. 1, below "FIG. 1" insert - - (Prior Art) - -.

On Sheet 4 of 5, in FIG. 5 (Col. 2, Row 6), delete " ⌐ θ " and insert - - ⌐θ - -, therefor.

In column 1, line 26, delete "Math Works," and insert - - MathWorks, - -, therefor.

In column 3, line 41, delete "p$_i$" and insert - - p$_i$ - -, therefor.

In column 4, line 66, delete "π*.III" and insert - - π*. III - -, therefor.

In column 5 (Eq. 5), line 31, delete "scalar," and insert - - matrix, - -, therefor.

In columns 5–6 (Eq. 11), lines 55–56, delete "
$$u = (1 - \overline{\theta}(c))\pi * + \overline{\theta}(c)(s * \overline{\alpha}(b) + t * \overline{\alpha}(a)(1 - \overline{\alpha}(b)) + (s * \Gamma_1 + t * \Gamma_2 + I - \Gamma_1 - \Gamma_2)(1 - \overline{\alpha}(a))(1 - \overline{\alpha}(b))).$$
"

and insert - -
$$u = (1 - \overline{\theta}(c))\pi * + \overline{\theta}(c)(s * \overline{\alpha}(b) + t * \overline{\alpha}(a)(1 - \overline{\alpha}(b)) + (s * \Gamma_1 + t * \Gamma_2 + I - \Gamma_1 - \Gamma_2)(1 - \overline{\alpha}(a))(1 - \overline{\alpha}(b))).$$
- -, therefor.

In column 6 (Eq. 12), lines 62–63, delete " $\delta(r_1, r_2, \ldots, r_m)$ " and insert - - $\delta(\langle r_1, r_2, \ldots, r_m \rangle)$ - -, therefor.

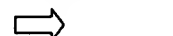In column 7, line 13, delete "where" and insert the same on line 14.

MAILING ADDRESS OF SENDER: PATENT NO. _____7,086,040_____

Intellevate
P.O. Box 52050
Minneapolis, MN 55402

No. of additional copies

⇨ _____

Atty Docket No: 020-005

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 7,086,040   Page 2 of (3)

DATED   : August 1, 2006

INVENTOR(S)   : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 7, line 15, delete "$p_1(1-\overline{\alpha})(a))$" and insert - - $p_1(1-\overline{\alpha}(a))$ - -, therefor.

In column 7, line 16, delete "$q_2(1-\overline{\alpha})(a))$" and insert - - $q_2(1 - \overline{\alpha}(a))$ - -, therefor.

In column 7, line 17, delete "$+(1-\overline{\alpha})(a))$" and insert - - $+(1-\overline{\alpha}(a))$ - -, therefor.

In column 8, line 20, after "simpler" insert - - $\otimes$ - -.

In column 8 (Eg:1.1), line 51, delete "u=st," and insert - - $u = s \oplus t,$ - -, therefor.

In column 8 (Eg:1.2), line 53, delete "v=ut." and insert - - $v = u \oplus t.$ - -, therefor.

In column 8, line 59, delete "v=(st)t." and insert - - $v = (s \oplus t) \oplus t.$ - -, therefor.

In column 8, line 61, after "FIG. 6," insert - - $\otimes$ - -.

In column 8, line 63, delete "v=s(tt)." and insert - - $v = s \oplus (t \oplus t).$ - -, therefor.

In column 8, line 64, after "FIG. 6," insert - - $\otimes$ also - -.

In column 8 (Eg:1.3), line 67, delete "v=st." and insert - - $v = s \oplus t.$ - -, therefor.

In column 9 (Eg:2.1), line 33, delete "$u_1=s_{i-1}t$" and insert - - $u_i = s_{i-1} \oplus t$ - -, therefor.

MAILING ADDRESS OF SENDER: PATENT NO. _____7,086,040_____

     Intellevate   No. of additional copies
     P.O. Box 52050
     Minneapolis, MN 55402

     Atty Docket No: 020-005

MAR - 9 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 7,086,040   Page 3 of (3)

DATED   : August 1, 2006

INVENTOR(S)   : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 35, delete "u_i" and insert - - u_i - -, therefor.

In column 9, line 35, delete "s_i" and insert - - s_i - -, therefor.

In column 9, line 36, delete "(i>1)" and insert - - (i≥1) - -, therefor.

In column 9 (Eg:2.2), line 39, delete "$s_i = u_i$" and insert - - $s_i = u_i$ - -, therefor.

In column 9, line 44, delete "$s_i = s_{i-1}t$." and insert - - $s_i = s_{i-1} \oplus t.$ - -, therefor.

In column 9, line 45, delete "∴$s_i = (s_{i-2}Ot)t$." and insert - - ∴$s_i = (s_{i-2} \oplus t) \oplus t.$ - -, therefor.

In column 9, line 47, after "FIG. 6," insert - - $\otimes$ - -.

In column 9, line 49, delete "$s_i = s_{i-2}(tt)$." and insert - - $s_i = s_{i-2} \oplus (t \oplus t).$ - -, therefor.

In column 9, line 53, delete "$s_i = s_{i-2}t$." and insert - - $s_i = s_{i-2} \oplus t.$ - -, therefor.

In column 9 (Eg:2.3), line 56, delete "$s_i = s_0t$" and insert - - $s_i = s_0 \oplus t$ - -, therefor.

MAILING ADDRESS OF SENDER: PATENT NO. _____7,086,040_____

Intellevate
P.O. Box 52050
Minneapolis, MN 55402

Atty Docket No: 020-005

No. of additional copies

- 9 2007

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 7,086,040   Page 1 of (3)

DATED   : August 1, 2006

INVENTOR(S)   : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Sheet 1 of 5, in FIG. 1, below "FIG. 1" insert - - (Prior Art) - -.

On Sheet 4 of 5, in FIG. 5 (Col. 2, Row 6), delete " ⌐ θ " and insert - - ¬θ - -, therefor.

In column 1, line 26, delete "Math Works," and insert - - MathWorks, - -, therefor.

In column 3, line 41, delete "p_i" and insert - - p_i - -, therefor.

In column 4, line 66, delete "π*.III" and insert - - π*. III - -, therefor.

In column 5 (Eq. 5), line 31, delete "scalar," and insert - - matrix, - -, therefor.

In columns 5–6 (Eq. 11), lines 55–56, delete "
$$u = (1 - \overline{\theta}(c))\pi * + \overline{\theta}(c)(s * \overline{\alpha}(b) +$$
$$t * \overline{\alpha}(a)(1 - \overline{\alpha}(b)) + (s * \Gamma_1 +$$
$$t * \Gamma_2 + I - \Gamma_1 - \Gamma_2)(1 - \overline{\alpha}(a))(1 - \overline{\alpha}(b))).$$
"

and insert - -
$$u = (1 - \overline{\theta}(c))\pi * + \overline{\theta}(c)(s * \overline{\alpha}(b) +$$
$$t * \overline{\alpha}(a)(1 - \overline{\alpha}(b)) + (s * \Gamma_1 +$$
$$t * \Gamma_2 + I - \Gamma_1 - \Gamma_2)(1 - \overline{\alpha}(a)) (1 - \overline{\alpha}(b))).$$
- -, therefor.

In column 6 (Eq. 12), lines 62–63, delete " $\delta(r_1, r_2, \ldots, r_m)$ " and insert - - $\delta(\langle r_1, r_2, \ldots, r_m \rangle)$ - -, therefor.

In column 7, line 13, delete "where" and insert the same on line 14.

MAILING ADDRESS OF SENDER: PATENT NO. _____7,086,040_____

No. of additional copies

⇨ _____

MAR - 9 2007.

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO   : 7,086,040   Page 2 of (3)

DATED   : August 1, 2006

INVENTOR(S)   : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 7, line 15, delete "$p_1(1-\overline{\alpha})(a))$" and insert - - $p_1(1-\overline{\alpha}(a))$ - -, therefor.

In column 7, line 16, delete "$q_2(1-\overline{\alpha})(a))$" and insert - - $q_2(1 - \overline{\alpha}(a))$ - -, therefor.

In column 7, line 17, delete "$+(1-\overline{\alpha})(a))$" and insert - - $+(1-\overline{\alpha}(a))$ - -, therefor.

In column 8, line 20, after "simpler" insert - - $\otimes$ - -.

In column 8 (Eg:1.1), line 51, delete "u=st," and insert - - $u = s \oplus t,$ - -, therefor.

In column 8 (Eg:1.2), line 53, delete "v=ut." and insert - - $v = u \oplus t.$ - -, therefor.

In column 8, line 59, delete "v=(st)t." and insert - - $v = (s \oplus t) \oplus t.$ - -, therefor.

In column 8, line 61, after "FIG. 6," insert - - $\otimes$ - -.

In column 8, line 63, delete "v=s(tt)." and insert - - $v = s \oplus (t \oplus t).$ - -, therefor.

In column 8, line 64, after "FIG. 6," insert - - $\otimes$ also - -.

In column 8 (Eg:1.3), line 67, delete "v=st." and insert - - $v = s \oplus t.$ - -, therefor.

In column 9 (Eg:2.1), line 33, delete "$u_1=s_{i-1}t$" and insert - - $u_i = s_{i-1} \oplus t$ - -, therefor.

MAILING ADDRESS OF SENDER: PATENT NO. _____7,086,040_____

    Intellevate
    P.O. Box 52050
    Minneapolis, MN 55402

    Atty Docket No: 020-005

No. of additional copies

$\Rightarrow$ _____

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO : 7,086,040   Page 3 of (3)

DATED   : August 1, 2006

INVENTOR(S) : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 35, delete "u_i" and insert - - u_i - -, therefor.

In column 9, line 35, delete "s_i" and insert - - s_i - -, therefor.

In column 9, line 36, delete "(i>1)" and insert - - (i$\geq$1) - -, therefor.

In column 9 (Eg:2.2), line 39, delete "$s_i=u_i$" and insert - - $s_i = u_i$ - -, therefor.

In column 9, line 44, delete "$s_i=s_{i-1}t$." and insert - - $s_i = s_{i-1} \oplus t.$ - -, therefor.

In column 9, line 45, delete "$\therefore .s_i=(s_{i-2}Ot)t$." and insert - - $\therefore s_i = (s_{i-2} \oplus t) \oplus t.$ - -, therefor.

In column 9, line 47, after "FIG. 6," insert - - $\otimes$ - -.

In column 9, line 49, delete "$s_i=s_{i-2}(tt)$." and insert - - $s_i = s_{i-2} \oplus (t \oplus t).$ - -, therefor.

In column 9, line 53, delete "$s_i=s_{i-2}t$." and insert - - $s_i = s_{i-2} \oplus t.$ - -, therefor.

In column 9 (Eg:2.3), line 56, delete "$s_i=s_0t$" and insert - - $s_i = s_0 \oplus t$ - -, therefor.

MAILING ADDRESS OF SENDER: PATENT NO. _____7,086,040_____

Intellevate
P.O. Box 52050
Minneapolis, MN 55402

Atty Docket No: 020-005

No. of additional copies

$\Rightarrow$ _____

{ ..3 - 9 2007.